



NOTICE OF ALLOWANCE AND FEE(S) DUE

32205 7590 04/18/2011
Carmen Patti Law Group, LLC
One N. LaSalle Street
44th Floor
Chicago, IL 60602

EXAMINER

WANG, RONGFA PHILIP

ART UNIT PAPER NUMBER

2197

DATE MAILED: 04/18/2011

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

10/768,308 01/30/2004 Richard Wayne Buskens LUC-450/BUSKENS 6327

TITLE OF INVENTION: FIRST AND SECOND MANAGER COMPONENTS THAT PERFORM ONE OR MORE FIRST AND SECOND MANAGEMENT OPERATIONS ON A SOFTWARE AND/OR HARDWARE ENTITY

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional NO \$1510 \$300 \$0 \$1810 07/18/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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 44th Floor
 Chicago, IL 60602

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/768,308 01/30/2004 Richard Wayne Buskens LUC-450/BUSKENS 6327

TITLE OF INVENTION: FIRST AND SECOND MANAGER COMPONENTS THAT PERFORM ONE OR MORE FIRST AND SECOND MANAGEMENT OPERATIONS ON A SOFTWARE AND/OR HARDWARE ENTITY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 07/18/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
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WANG, RONGFA PHILIP 2197 717-120000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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www.uspto.gov

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 212 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 212 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability

Application No.

10/768,308

Examiner

PHILIP WANG

Applicant(s)

BUSKENS ET AL.

Art Unit

2197

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to amendment filed on 3/23/2011.
- 2. The allowed claim(s) is/are 1-9 and 11-22.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____.
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____.

/Philip Wang/
Primary Examiner, Art Unit 2197

Art Unit: 2197

DETAILED ACTION

1. This office action is in response to amendment filed on 3/23/2011.
2. Per Applicant's request, claims 1, 16, and 21 have been amended.
3. Claims 1-9, and 11-22 are allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in communication with Bradley H. Valenzo (Reg. No. 64,873) on April 11, 2011 to obviate any potential issues and to put the claims in condition for allowance.

4. The application has been amended as follows:

1. (currently amended) A computer-readable non-transitory medium that comprises one or more of a floppy disk, magnetic tape, CD-ROM, DVD-ROM, hard disk drive, or electronic memory that stores a software program for implementation of:

- a first manager component that performs one or more first management operations on a software and/or hardware entity; and

- a second manager component that performs one or more second management operations on the software and/or hardware entity, wherein the second manager component comprises high availability services system software operating in a high availability domain;

Art Unit: 2197

wherein the first management component is configured to operate outside of the high availability domain and the second management component is configured to operate within the high availability domain;

wherein the first manager component and the second manager component are configured to concurrently share management responsibilities for the software and/or hardware entity;

wherein the first manager component and the second manager component are configured for individual management responsibilities;

wherein the second manager component is configured to peer with the first manager component to cooperatively manage and prevent autonomous control of the software and/or hardware entity by the second manager component.

2. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the first manager component and the second manager component are communicatively coupled.

3. (currently amended) The computer-readable non-transitory medium of claim 2, wherein the first manager component and the second manager component coordinate the one or more first and second management operations to occur in a proper sequence.

4. (currently amended) The computer-readable non-transitory medium of claim 1, wherein upon detection by the first management component of an event associated with the software and/or hardware entity, the first manager component sends a notification to the second manager component;

Art Unit: 2197

wherein upon detection by the second management component of an event associated with the software and/or hardware entity, the second manager component sends a notification to the first manager component.

5. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the software and/or hardware entity comprises one or more software and/or hardware components;

wherein the first manager component starts up the software and/or hardware entity and the one or more software and/or hardware components;

wherein the first manager component sends a notification to the second manager component to indicate that the software and/or hardware entity and the one or more software and/or hardware components have been started.

6. (currently amended) The computer-readable non-transitory medium of claim 5, wherein the second manager component initializes one or more of the one or more software and/or hardware components;

wherein the second manager component sends a notification to the first manager component to indicate that the one or more of the one or more software and/or hardware components have been initialized.

Art Unit: 2197

7. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the first and second manager components cooperate to initialize, monitor, and detect one or more failures of the software and/or hardware entity and one or more of the one or more software and/or hardware components;

wherein the first and second manager components dynamically negotiate the individual management responsibilities.

8. (currently amended) The computer-readable non-transitory medium of claim 7, wherein the first and second manager components cooperate to recover the software and/or hardware entity from the one or more failures.

9. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the first manager component sends a request to the second manager component to cause the second manager component to perform a management operation of the one or more second management operations on the software and/or hardware entity.

11. (currently amended) The computer-readable non-transitory medium of claim 1, in combination with the software and/or hardware entity, wherein the high availability services software comprises the one or more second management operations;

wherein the software and/or hardware entity operates outside of the high availability domain, wherein the software and/or hardware entity interacts with the high availability domain.

Art Unit: 2197

12. (currently amended) The computer-readable non-transitory medium of claim 11, wherein the software and/or hardware entity is connected with the high availability domain to employ one or more of the one or more second management operations of the high availability services software.

13. (currently amended) The computer-readable non-transitory medium of claim 12, wherein the software and/or hardware entity is connected with the first manager component to employ one or more of the one or more first management operations and to prevent autonomous control of the software and/or hardware entity by the high availability services software.

14. (currently amended) The computer-readable non-transitory medium of claim 1, in combination with the software and/or hardware entity, wherein the first manager component, the second manager component, and the software and/or hardware entity are responsible for one or more of setup and teardown of telecommunication connections.

15. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the software and/or hardware entity comprises one or more first software and/or hardware components and one or more second software and/or hardware components;

wherein the first manager component controls the one or more first software and/or hardware components;

wherein the second manager component controls the one or more second software and/or hardware components.

Art Unit: 2197

16. (currently amended) A method, comprising the steps of:

executing software stored in memory by a processor;

configuring a software and/or hardware entity for concurrent partial control by a first manager component and a second manager component, wherein the second manager component comprises high availability services system software operating in a high availability domain, wherein the first manager component and the second manager component are configured for individual management responsibilities, wherein the first management component is configured to operate outside of the high availability domain and the second management component is configured to operate within the high availability domain;

peering the first manager component with the second manager component to cooperatively manage and prevent autonomous control of the software and/or hardware entity by the second manager component.

21. (currently amended) An article, comprising:

one or more computer-readable non-transitory media consisting of one or more of a floppy disk, magnetic tape, CD-ROM, DVD-ROM, hard disk drive, or electronic memory; and

Art Unit: 2197

means in the one or more media for configuring a software and/or hardware entity for concurrent partial control by a first manager component and a second manager component, wherein the second manager component comprises high availability services system software operating in a high availability domain, wherein the first manager component and the second manager component are configured for individual management responsibilities, wherein the first management component is configured to operate outside of the high availability domain and the second management component is configured to operate within the high availability domain;

means in the one or more media for peering the first manager component with the second manager component to cooperatively manage and prevent autonomous control of the software and/or hardware entity by the second manager component.

22. (currently amended) The computer-readable non-transitory medium of claim 1, wherein the first manager component and/or the second manager component access a configuration file to determine the individual management responsibilities of each of the first and second manager components.

-end of currently amended claims-

5. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach the limitation as recited in independent claims 1, 16, and 21.

Art Unit: 2197

The closest cited prior arts; USPGN 2003/0058796 by Anderson teaches a method of provisioning network by different network management systems. However it does not specifically disclose limitations as recited in independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Wang whose telephone number is 571-272-5934. The examiner can normally be reached on Mon - Fri 8:00AM - 4:00PM. Any inquiry of general nature or relating to the status of this application should be directed to the TC2100 Group receptionist: 571-272-2100.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Li Zhen can be reached on 571-272-3768. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/768,308

Page 10

Art Unit: 2197

/Philip Wang/

Primary Examiner, Art Unit 2197